Notice of Allowability	Application No.	Applicant(s)	
	10/075,718	CHEN, ALLAN Y.	
	Examiner	Art Unit	
	Jennifer Kim	1617	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>May 10, 2005</u> .			
2. The allowed claim(s) is/are 42-46 and 48 (renumbered as 1-5 and 6).			
3. The drawings filed on 12 February 2002 are accepted by the Examiner.			
4.			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date	5. ☐ Notice of Informal Pa 6. ☐ Interview Summary (Paper No./Mail Date 8), 7. ☑ Examiner's Amendre 8. ☑ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	



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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms. Nan Wu on May 10, 2005.

1. Amend the Claims as follows:

IN THE CLAIMS:

Cancel claims 1-22 and 47 without prejudice.

Claim 42, line 1, after the term "radiation" insert - - - in the treatment of breast cancer- - - - .

Claim 42, line 7, after the phrase "non-cytotoxic level" insert - - - corresponding to the effect obtained in MCF-7 cell culture using said indolocarbazole derivative at a concentration of at least 1, 2, 5 or 10 ug/ml, but not exceeding 10ug/ml.- -

Remarks

The above amendment places this case in condition for allowance.

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The following is an examiner's statement of reasons for allowance:

The claims are allowable over the cited prior art because the prior art does not teach, disclose nor make obvious the claimed method for enhancing the effect of radiation in the treatment of breast caner comprising administering to a subject in need of such treatment a radiosensitivity increasing amount of an indolocarbazole derivative having the structure A set forth in claim 42 wherein the subject is treated with radiation and the amount of indolocarbazole derivative is at a non-cytotoxic level corresponding to the effect obtained in MCF-7 cell culture using said indolocarbazole derivative at a concentration of at least 1, 2, 5 or 10 ug/ml.

The prior art of record, Chen et al. teach that the camptothecin enhanced the cytotoxicity of radiation. However, it does not teach the specified structure A set forth in claim 42 administering a radiosensityity increasing amount at a non-cytotoxic level corresponding to the effect obtained in MCF-7 cell culture using indolocarbazole derivative at a concentration of at 1, 2, 5 and 10ug/ml.

The prior art of record, Prudhomme teaches that rebeccamycin analogues useful for having antitumor activity. However, it does not teach the radiosensitivity increasing effect of rebeccamycin by administration of non-cytotoxic level corresponding to the

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effect obtained in MCF-7 cell culture using said indolocarbazole derivative at a concentration of at least 1, 2, 5 or 10 ug/ml.

Therefore, there is not motivation to combine above reference since there is no suggestion from neither references that non-cytotoxic level of indolocarbazole combined with radiation would enhance the radiosensityity effect.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer Kim whose telephone number is 571-272-0628. The examiner can normally be reached on Monday through Friday 6:30 am to 3 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreenivasan Padmanabhan can be reached on 571-272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Sreenivasan Padmanabhan Supervisory Examiner

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Jmk

May 10, 2005